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IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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 Guihe Qin; Anlin Ge; Ju-Jang Lee;
 Intelligent Transportation Systems, IEEE Transactions on
 Volume 5, Issue 2, June 2004 Page(s):121 - 125
 Digital Object Identifier 10.1109/TITS.2004.828171
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(360 KB\)](#) IEEE JNL.
- ☐ **2. Gear shifting by engine control**
 Pettersson, M.; Nielsen, L.;
 Control Systems Technology, IEEE Transactions on
 Volume 8, Issue 3, May 2000 Page(s):495 - 507
 Digital Object Identifier 10.1109/87.845880
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(248 KB\)](#) IEEE JNL.
- ☐ **3. Challenges and opportunities in automotive transmission control**
 Zongxuan Sun; Hebbale, K.;
 American Control Conference, 2005. Proceedings of the 2005
 June 8-10, 2005 Page(s):3284 - 3289
[AbstractPlus](#) | Full Text: [PDF\(150 KB\)](#) IEEE CNF
- ☐ **4. Dynamic modeling and analysis of a transmission-based robot servoactuator**
 Hamel, W.R.; Sewoong Kim; Zhou, R.; Lumsdaine, A.;
 Robotics and Automation, 2003. Proceedings. ICRA '03. IEEE International Conference on
 Volume 1, 14-19 Sept. 2003 Page(s):208 - 213 vol.1
[AbstractPlus](#) | Full Text: [PDF\(373 KB\)](#) IEEE CNF
- ☐ **5. Adjoint-based system identification and feedforward control optimization in automotive powertrain subsystems**
 Liu, S.; Bewley, T.R.;
 American Control Conference, 2003. Proceedings of the 2003
 Volume 3, 4-6 June 2003 Page(s):2566 - 2571 vol.3
 Digital Object Identifier 10.1109/ACC.2003.1243463
[AbstractPlus](#) | Full Text: [PDF\(662 KB\)](#) IEEE CNF



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 Jin-Oh Hahn, Jae-Woong Hur, Young Man Cho and Kyo Il Lee
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 A. Haj-Fraj and F. Pfeiffer
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 Quan Zheng, Krishnaswamy Srinivasan and Giorgio Rizzoni
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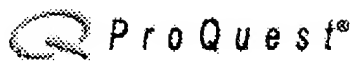
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1 [Local networks](#)

William Stallings

March 1984 **ACM Computing Surveys (CSUR)**, Volume 16 Issue 1Full text available: [pdf\(3.01 MB\)](#)
 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The rapidly evolving field of local network technology has produced a steady stream of local network products in recent years. The IEEE 802 standards that are now taking shape, because of their complexity, do little to narrow the range of alternative technical approaches and at the same time encourage more vendors into the field. The purpose of this paper is to present a systematic, organized overview of the alternative architectures for and design approaches to local networks.

...

2 [Digital control of industrial processes](#)

Cecil L. Smith

September 1970 **ACM Computing Surveys (CSUR)**, Volume 2 Issue 3Full text available: [pdf\(2.11 MB\)](#)
 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

3 [System architectures for computer music](#)

John W. Gordon

June 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 2Full text available: [pdf\(4.61 MB\)](#)
 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Computer music is a relatively new field. While a large proportion of the public is aware of computer music in one form or another, there seems to be a need for a better understanding of its capabilities and limitations in terms of synthesis, performance, and recording hardware. This article addresses that need by surveying and discussing the architecture of existing computer music systems. System requirements vary according to what the system will be used for. Common uses for co ...

4 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available:  [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

5 Xunet 2: lessons from an early wide-area ATM testbed

Charles R. Kalmanek, Srinivasan Keshav, William T. Marshall, Samuel P. Morgan, Robert C. Restrict

February 1997 **IEEE/ACM Transactions on Networking (TON)**, Volume 5 Issue 1


Full text available:  [pdf\(231.69 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: asynchronous transfer mode, available bit rate, constant bit rate, variable bit rate

6 MAC protocol and traffic scheduling for wireless ATM networks

Nikos Passas, Lazaros Merakos, Dimitris Skyrianoglou, Frédéric Bauchot, Gérard Marmigère, Stéphane Decrauzat

September 1998 **Mobile Networks and Applications**, Volume 3 Issue 3

Full text available:  [pdf\(802.71 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The Medium Access Control (MAC) protocol defined in the Wireless ATM Network Demonstrator (WAND) system being developed within the project Magic WAND is presented. Magic WAND is investigating extensions of ATM technology to cover wireless customer premises networks, in the framework of the Advanced Communications Technologies and Services (ACTS) programme, funded by the European Union. The MAC protocol, known as MASCARA, uses a dynamic TDMA scheme, which combines reservation- and contention ...

7 Three-dimensional medical imaging: algorithms and computer systems

M. R. Stytyz, G. Frieder, O. Frieder

December 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 4

Full text available:  [pdf\(7.38 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

Keywords: Computer graphics, medical imaging, surface rendering, three-dimensional imaging, volume rendering

8 Lightfield acquisition & display: 3D TV: a scalable system for real-time acquisition, transmission, and autostereoscopic display of dynamic scenes

Wojciech Matusik, Hanspeter Pfister

August 2004 **ACM Transactions on Graphics (TOG)**, Volume 23 Issue 3

Full text available:  [pdf\(788.24 KB\)](#)  [mov\(21.13 MiN\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Three-dimensional TV is expected to be the next revolution in the history of television. We implemented a 3D TV prototype system with real-time acquisition, transmission, and 3D display of dynamic scenes. We developed a distributed, scalable architecture to manage the high computation and bandwidth demands. Our system consists of an array of cameras, clusters of network-connected PCs, and a multi-projector 3D display. Multiple video streams are individually encoded and sent over a broadband netw ...

Keywords: Autostereoscopic displays, camera arrays, image-based rendering, lightfields, multiview displays, projector arrays

9 Pen computing: a technology overview and a vision

André Meyer

July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3


Full text available:  [pdf\(5.14 MB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions. Starting with a short historic ...

10 Experiences of building an ATM switch for the local area

Richard Black, Ian Leslie, Derek McAuley

October 1994 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Communications architectures, protocols and applications**, Volume 24 Issue 4

Full text available:  [pdf\(1.12 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Fairisle project was concerned with ATM in the local area. An earlier paper [9] described the preliminary work and plans for the project. Here we present the experiences we have had with the Fairisle network, describing how implementation has changed over the life of the project, the lessons learned, and some conclusions about the work so far.

11 On randomization in sequential and distributed algorithms

Rajiv Gupta, Scott A. Smolka, Shaji Bhaskar

March 1994 **ACM Computing Surveys (CSUR)**, Volume 26 Issue 1

Full text available:  [pdf\(8.01 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Probabilistic, or randomized, algorithms are fast becoming as commonplace as conventional deterministic algorithms. This survey presents five techniques that have been widely used in the design of randomized algorithms. These techniques are illustrated using 12 randomized algorithms—both sequential and distributed—that span a wide range of applications, including: primality testing (a classical problem in number theory), interactive probabilistic proof s ...

Keywords: Byzantine agreement, CSP, analysis of algorithms, computational complexity, dining philosophers problem, distributed algorithms, graph isomorphism, hashing, interactive probabilistic proof systems, leader election, message routing, nearest-neighbors problem, perfect hashing, primality testing, probabilistic techniques, randomized or probabilistic algorithms, randomized quicksort, sequential algorithms, transitive tournaments, universal hashing

12 Multicast ATM switches: survey and performance evaluation

Ming-Huang Guo, Ruay-Shiung Chang

April 1998 **ACM SIGCOMM Computer Communication Review**, Volume 28 Issue 2Full text available:  pdf(2.18 MB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)


Computer networks are undergoing a remarkable transformation. The widespread use of optical fiber to transmit data has made tremendous increases in network bandwidth. Furthermore, greater CPU power, increasing disk capacity, and support for digital audio and video are creating demand for a new class of network services. For example, video-on-demand, distant learning, distant diagnosis, video conferences, and many others applications have popped up one after another in recent years. Many of these ...

13 Automatic compositional minimization in CTL model checking

Massimiliano Chiodo, Thomas R. Shiple, Alberto L. Sangiovanni-Vincentelli, Robert K. Brayton

November 1992 **Proceedings of the 1992 IEEE/ACM international conference on Computer-aided design**Full text available:  pdf(843.12 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**14 Special session on on-chip multi-processing: An adaptive low-power transmission scheme for on-chip networks**


Frédéric Worm, Paolo Ienne, Patrick Thiran, Giovanni De Micheli

October 2002 **Proceedings of the 15th international symposium on System Synthesis**Full text available:  pdf(272.31 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Systems-on-Chip (SoC) are evolving toward complex heterogeneous multiprocessors made of many predesigned macrocells or subsystems with application-specific interconnections. Intra-chip interconnects are thus becoming one of the central elements of SoC design and pose conflicting goals in terms of low energy per transmitted bit, guaranteed signal integrity, and ease of design. This work introduces and shows first results on a novel interconnect system which uses low-swing signalling, error detect ...

Keywords: low-power, networks-on-chip, systems-on-chip**15 Spoken dialogue technology: enabling the conversational user interface**

Michael F. McTear

March 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 1Full text available:  pdf(987.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Spoken dialogue systems allow users to interact with computer-based applications such as databases and expert systems by using natural spoken language. The origins of spoken dialogue systems can be traced back to Artificial Intelligence research in the 1950s concerned with developing conversational interfaces. However, it is only within the last decade or so, with major advances in speech technology, that large-scale working systems have been developed and, in some cases, introduced into commerc ...

Keywords: Dialogue management, human computer interaction, language generation, language understanding, speech recognition, speech synthesis**16 Synchronization in multimedia data retrieval**

Anna Haj Hać, Cindy X. Xue

January 1997 **International Journal of Network Management**, Volume 7 Issue 1

Full text available:  pdf(487.64 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Synchronization of multiple medium streams in real time has been recognized as one of the most important requirements for multimedia applications based on broadband high-speed networks. This article presents a complete synchronization scheme for distributed multimedia information systems. © 1997 John Wiley & Sons, Ltd.

17 Congestion: Congestion control and fairness for many-to-one routing in sensor networks

Cheng Tien Ee, Ruzena Bajcsy

November 2004 **Proceedings of the 2nd international conference on Embedded networked sensor systems**

Full text available:  pdf(289.99 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper we propose a distributed and scalable algorithm that eliminates congestion within a sensor network, and that ensures the fair delivery of packets to a central node, or base station. We say that fairness is achieved when equal number of packets are received from each node. Since in general we have many sensors transmitting data to the base station, we consider the scenario where we have many-to-one multihop routing, noting that it can easily be extended to unicast or many-to-many ...

Keywords: congestion control, distributed algorithms, fairness, many-to-one routing, sensor networks

18 Providing deterministic delay guarantees in ATM networks

Seok-Kyu Kweon, Kang G. Shin

December 1998 **IEEE/ACM Transactions on Networking (TON)**, Volume 6 Issue 6

Full text available:  pdf(469.94 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: ATM, broadband ISDN, cell multiplexing, channel admissibility, delay guarantee, multimedia conferencing, rate-monotonic priority scheduling, real-time communication, traffic controller

19 A control theoretical approach to congestion control in packet networks

Dirceu Cavendish, Mario Gerla, Saverio Mascolo

October 2004 **IEEE/ACM Transactions on Networking (TON)**, Volume 12 Issue 5

Full text available:  pdf(708.31 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper, we introduce a control theoretical analysis of the closed-loop congestion control problem in packet networks. The control theoretical approach is used in a proportional rate controller, where packets are admitted into the network in accordance with network buffer occupancy. A Smith Predictor is used to deal with large propagation delays, common to high speed backbone networks. The analytical approach leads to accurate predictions regarding both transients as well as steady-state ...

Keywords: packet networks, quality of service (QoS), stability analysis, transient analysis

20 Curriculum 68: Recommendations for academic programs in computer science: a report of the ACM curriculum committee on computer science

William F. Atchison, Samuel D. Conte, John W. Hamblen, Thomas E. Hull, Thomas A. Keenan,

William B. Kehl, Edward J. McCluskey, Silvio O. Navarro, Werner C. Rheinboldt, Earl J. Schweppe, William Viavant, David M. Young
March 1968 **Communications of the ACM**, Volume 11 Issue 3

Full text available:  [pdf\(6.63 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#)



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Accession number & update

6873818, C2001-04-3360B-077; 20010301.

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Design of **shift controller** using neural-network in **automatic** transmissions.

Author(s)

Jung-Yul-Park; Jae-Woong-Hur; Byung-Kwan-Shin; Kyo-Il-Lee; Ed. by Hamza-M-H.

Author affiliation

Dept of Mech & Aerosp Eng, Seoul Nat Univ, South Korea.

Source

Proceedings of 2000 Conference on Intelligent Systems and Control (SC 2000), Honolulu, HI, USA, 14-16 Aug. 2000.
Sponsors: IASTED, IASTED Tech. Committee on Control.
In: p.159-64, 2000.

ISSN

ISBN: 0-88986-296-6.

Publication year

2000.

Language

EN.

Publication type

CPP Conference Paper.

Treatment codes

T Theoretical or Mathematical; X Experimental.

Abstract

Today, the hydraulic system of **automatic transmission**, which is essential element in controlling planetary gear train system, is being further simplified by the development of electronic control and actuators, and this electric control makes it possible to apply sophisticated **shift control algorithm** implemented in microprocessor. The automotive system related to **shift control**, including the torque converter and hydraulic system, is a nonlinear system and has uncertain time varying parameters. In this study, a new approach to design a smooth **shift controller** using neural network is introduced for better **shift** quality. The goal of the proposed **shift controller** based on neural network is to obtain good **shift** quality for various situations during **shift** operations and to satisfy the various performance requirements. (11 refs).

Descriptors

automobiles; automotive-electronics; hydraulic-systems;
neurocontrollers; torque-control.

Keywords

gear **shift controller**; neural network; **automatic** transmissions; gear train system; hydraulic system; torque

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Mar 7, 2002

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PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020029136 A1

TITLE: Simulator for automatic vehicle transmission controllers

PUBLICATION-DATE: March 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hagiwara, Kenji	Wako-shi		JP	
Takeda, Youheli	Wako-shi		JP	
Suzuki, Shoichi	Wako-shi		JP	
Kamiyamaguchi, Tsutomu	Wako-shi		JP	
Terayama, Satoshi	Wako-shi		JP	
Yoda, Ko	Wako-shi		JP	

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PGPUB-DOCUMENT-NUMBER: 20010023393

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010023393 A1

TITLE: Simulator for automatic vehicle transmission controllers

PUBLICATION-DATE: September 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hagiwara, Kenji	Wako-shi		JP	
Suzuki, Shoichi	Wako-shi		JP	
Takeda, Yohei	Wako-shi		JP	

Yoda, Ko

Wako-shi

JP

Terayama, Satoshi

Wako-shi

JP

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ALGORITHMS	142476
(1 AND (ALGORITHM WITH (AUTOMATIC ADJ TRANSMISSION))) .PGPB,USPT.	2
(L1 AND (AUTOMATIC TRANSMISSION WITH ALGORITHM)) .PGPB,USPT.	2

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☐ 1. Document ID: US 20020029136 A1

Using default format because multiple data bases are involved.

L3: Entry 1 of 2

File: PGPB

Mar 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020029136

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020029136 A1

TITLE: Simulator for automatic vehicle transmission controllers

PUBLICATION-DATE: March 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Hagiwara</u> , Kenji	Wako-shi		JP	
Takeda, Youheli	Wako-shi		JP	
Suzuki, Shoichi	Wako-shi		JP	
Kamiyamaguchi, Tsutomu	Wako-shi		JP	
Terayama, Satoshi	Wako-shi		JP	
Yoda, Ko	Wako-shi		JP	

US-CL-CURRENT: 703/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 20010023393 A1

L3: Entry 2 of 2

File: PGPB

Sep 20, 2001

PGPUB-DOCUMENT-NUMBER: 20010023393

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010023393 A1

TITLE: Simulator for automatic vehicle transmission controllers

PUBLICATION-DATE: September 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Hagiwara</u> , Kenji	Wako-shi		JP	
Suzuki, Shoichi	Wako-shi		JP	
Takeda, Yohei	Wako-shi		JP	

Yoda, Ko
Terayama, Satoshi

Wako-shi
Wako-shi

JP
JP

US-CL-CURRENT: 703/8; 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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Term	Documents
AUTOMATIC	551187
AUTOMATICS	333
TRANSMISSION	835761
TRANSMISSIONS	95218
ALGORITHM	223859
ALGORITHMS	142476
(1 AND (ALGORITHM SAME (AUTOMATIC ADJ TRANSMISSION))) .PGPB,USPT.	2
(L1 AND (AUTOMATIC TRANSMISSION SAME ALGORITHM)) .PGPB,USPT.	2

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☐ 1. Document ID: US 20040009843 A1

Using default format because multiple data bases are involved.

L5: Entry 1 of 20

File: PGPB

Jan 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040009843

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040009843 A1

TITLE: SHIFT-CONTROL METHOD FOR A VEHICULAR AUTOMATIC TRANSMISSION

PUBLICATION-DATE: January 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Habeck, Dirk	Langenargen		DE	

US-CL-CURRENT: 477/143

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	INMC	Draw Desc	Image
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☐ 2. Document ID: US 20020098943 A1

L5: Entry 2 of 20

File: PGPB

Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020098943

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020098943 A1

TITLE: Transmission shift control

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Shultz, Jeffrey E.	Zionsville	IN	US	
Kluemper, Scott Thomas	Monrovia	IN	US	

US-CL-CURRENT: 477/94

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw Desc	Image
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☐ 3. Document ID: US 20020029136 A1

L5: Entry 3 of 20

File: PGPB

Mar 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020029136

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020029136 A1

TITLE: Simulator for automatic vehicle transmission controllers

PUBLICATION-DATE: March 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hagiwara, Kenji	Wako-shi		JP	
Takeda, Youheli	Wako-shi		JP	
Suzuki, Shoichi	Wako-shi		JP	
Kamiyamaguchi, Tsutomu	Wako-shi		JP	
Terayama, Satoshi	Wako-shi		JP	
Yoda, Ko	Wako-shi		JP	

US-CL-CURRENT: 703/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw Desc	Image
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☐ 4. Document ID: US 20010023393 A1

L5: Entry 4 of 20

File: PGPB

Sep 20, 2001

PGPUB-DOCUMENT-NUMBER: 20010023393

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010023393 A1

TITLE: Simulator for automatic vehicle transmission controllers

PUBLICATION-DATE: September 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hagiwara, Kenji	Wako-shi		JP	
Suzuki, Shoichi	Wako-shi		JP	
Takeda, Yohei	Wako-shi		JP	
Yoda, Ko	Wako-shi		JP	
Terayama, Satoshi	Wako-shi		JP	

US-CL-CURRENT: 703/8; 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KAMC	Draw Desc	Image
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☐ 5. Document ID: US 6835164 B2

L5: Entry 5 of 20

File: USPT

Dec 28, 2004

US-PAT-NO: 6835164

DOCUMENT-IDENTIFIER: US 6835164 B2

TITLE: Shift-control method for a vehicular automatic transmission

DATE-ISSUED: December 28, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Habeck; Dirk	Langenargen			DE

US-CL-CURRENT: 477/132; 477/149

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KAMC	Draw Desc	Image
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☐ 6. Document ID: US 6634988 B2

L5: Entry 6 of 20

File: USPT

Oct 21, 2003

US-PAT-NO: 6634988

DOCUMENT-IDENTIFIER: US 6634988 B2

TITLE: Transmission shift control

DATE-ISSUED: October 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shultz; Jeffrey E	Zionsville	IN		
Kluemper; Scott Thomas	Monrovia	IN		

US-CL-CURRENT: 477/116; 477/114

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KAMC	Draw Desc	Image
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☐ 7. Document ID: US 6352492 B1

L5: Entry 7 of 20

File: USPT

Mar 5, 2002

US-PAT-NO: 6352492

DOCUMENT-IDENTIFIER: US 6352492 B1

** See image for Certificate of Correction **

TITLE: Torque modulation shift control system and method

DATE-ISSUED: March 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Steeby; Jon A.	Schoolcraft	MI		
Dedow; Warren R.	Portage	MI		
Boardman; Mark A.	Portage	MI		

US-CL-CURRENT: 477/109

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc	Image
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☐ 8. Document ID: US 6325742 B1

L5: Entry 8 of 20

File: USPT

Dec 4, 2001

US-PAT-NO: 6325742

DOCUMENT-IDENTIFIER: US 6325742 B1

TITLE: Shift control system and method for automatic transmission when shifting into drive after reverse

DATE-ISSUED: December 4, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Hee-Young	Kyunggi-Do			KR

US-CL-CURRENT: 477/116; 477/117, 477/156

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc	Image
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☐ 9. Document ID: US 6259984 B1

L5: Entry 9 of 20

File: USPT

Jul 10, 2001

US-PAT-NO: 6259984

DOCUMENT-IDENTIFIER: US 6259984 B1

TITLE: Automatic transmission control with object-oriented program

DATE-ISSUED: July 10, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kanzaki; Yasuhiro	Anjo			JP
Oda; Akira	Nagoya			JP

US-CL-CURRENT: 701/51; 477/901, 477/905, 477/906, 701/52, 701/53, 701/54, 701/61, 701/62,
701/64

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Desc	Image
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☐ 10. Document ID: US 6256568 B1

L5: Entry 10 of 20

File: USPT

Jul 3, 2001

US-PAT-NO: 6256568

DOCUMENT-IDENTIFIER: US 6256568 B1

TITLE: Motor vehicle having an electronically controlled automatic transmission and a power parking brake

DATE-ISSUED: July 3, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Siepkner; Achim	Groebenzell			DE
Ehrmaier; Rudolf	Munich			DE
Neuner; Josef	Raubling			DE

US-CL-CURRENT: 701/62; 303/122.03, 303/9.63, 701/51, 701/63, 701/76

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Desc	Image
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☐ 11. Document ID: US RE36186 E

L5: Entry 11 of 20

File: USPT

Apr 6, 1999

US-PAT-NO: RE36186

DOCUMENT-IDENTIFIER: US RE36186 E

TITLE: Method and device for controlling critical switch failure and neutral conditions at high and low vehicle speeds

DATE-ISSUED: April 6, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
White; Gregory R.	Columbus	IN		
Webber; Larry R.	Columbus	IN		
Kleine; Richard E.	Columbus	IN		
Johnson; Edwin A.	Haines City	FL		

US-CL-CURRENT: 477/108; 477/906, 701/59

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Desc	Image
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☐ 12. Document ID: US 5596495 A

L5: Entry 12 of 20

File: USPT

Jan 21, 1997

US-PAT-NO: 5596495

DOCUMENT-IDENTIFIER: US 5596495 A

TITLE: Gearshift controller for automatic transmission

DATE-ISSUED: January 21, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brown; Larry T.	Dearborn	MI		
Kraska; Marvin P.	Dearborn	MI		

US-CL-CURRENT: 701/51; 477/144, 477/148, 477/158

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc	Image
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☐ 13. Document ID: US 5547435 A

L5: Entry 13 of 20

File: USPT

Aug 20, 1996

US-PAT-NO: 5547435

DOCUMENT-IDENTIFIER: US 5547435 A

TITLE: Automatic transmission gear shift control during power reduction

DATE-ISSUED: August 20, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grutter; Peter J.	Plymouth	MI		
Gerhart; Matthew J.	Dearborn Heights	MI		
Gladd; Matthew J.	Dearborn	MI		
Cushing; John A.	Woodhaven	MI		

US-CL-CURRENT: 477/110

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc	Image
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☐ 14. Document ID: US 5520586 A

L5: Entry 14 of 20

File: USPT

May 28, 1996

US-PAT-NO: 5520586

DOCUMENT-IDENTIFIER: US 5520586 A

TITLE: Adaptive control for automatic transmission engagement

DATE-ISSUED: May 28, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brown; Larry T.	Dearborn	MI		
Kraska; Marvin P.	Dearborn	MI		

US-CL-CURRENT: 475/120; 475/131

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc	Image
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☐ 15. Document ID: US 5401223 A

L5: Entry 15 of 20

File: USPT

Mar 28, 1995

US-PAT-NO: 5401223

DOCUMENT-IDENTIFIER: US 5401223 A

**** See image for Certificate of Correction ****

TITLE: Method and device for controlling critical switch failure and neutral conditions at high and low vehicle speeds

DATE-ISSUED: March 28, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
White; Gregory R.	Columbus	IN		
Webber; Larry R.	Fredericksburg	TX		
Kleine; Richard E.	Weybridge			GB2
Johnson; Edwin A.	Durand	MI		

US-CL-CURRENT: 477/108; 477/906, 701/52

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc	Image
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☐ 16. Document ID: US 5393277 A

L5: Entry 16 of 20

File: USPT

Feb 28, 1995

US-PAT-NO: 5393277

DOCUMENT-IDENTIFIER: US 5393277 A

**** See image for Certificate of Correction ****

TITLE: Variable electronically controlled shift points for a cruise control system

DATE-ISSUED: February 28, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
White; Gregory R.	Columbus	IN		
Webber; Larry R.	Fredericksburg	TX		
Anderson; Dean S.	Cedar Falls	IA		
Flory; Lloyd E.	Edinburgh	IN		
Steeby; Jon A.	Schoolcraft	MI		

US-CL-CURRENT: 477/108

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc	Image
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☐ 17. Document ID: US 5287773 A

L5: Entry 17 of 20

File: USPT

Feb 22, 1994

US-PAT-NO: 5287773

DOCUMENT-IDENTIFIER: US 5287773 A

TITLE: Apparatus for controlling engine brake force during vehicle running on downhill with released accelerator

DATE-ISSUED: February 22, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nakawaki; Yasunori	Susono			JP
Shindo; Yoshio	Numazu			JP
Higashiyama; Yasuhiko	Susono			JP

US-CL-CURRENT: 477/92; 477/110

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc	Image
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☐ 18. Document ID: US 5233523 A

L5: Entry 18 of 20

File: USPT

Aug 3, 1993

US-PAT-NO: 5233523

DOCUMENT-IDENTIFIER: US 5233523 A

TITLE: Compensation for delay of scheduled gearshifts in automatic transmissions

DATE-ISSUED: August 3, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Follmer; William C.	Livonia	MI		

US-CL-CURRENT: 701/51; 477/155, 477/905

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw Desc	Image
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☐ 19. Document ID: US 4821190 A

L5: Entry 19 of 20

File: USPT

Apr 11, 1989

US-PAT-NO: 4821190

DOCUMENT-IDENTIFIER: US 4821190 A

TITLE: Closed loop computer control for an automatic transmission

DATE-ISSUED: April 11, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Patil; Prabhakar B.	Detroit	MI		

US-CL-CURRENT: 701/68; 477/149, 477/155, 700/42, 701/99

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw Desc	Image
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☐ 20. Document ID: US 4799158 A

L5: Entry 20 of 20

File: USPT

Jan 17, 1989

US-PAT-NO: 4799158

DOCUMENT-IDENTIFIER: US 4799158 A

TITLE: System for computer controlled shifting of an automatic transmission

DATE-ISSUED: January 17, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Patil; Prabhakar B.	Detroit	MI		

US-CL-CURRENT: 701/59; 477/154, 477/155, 701/53, 701/60, 701/66

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw Desc	Image
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AUTOMATICS	333
TRANSMISSION	835761